

Quiz2-66-C (Protected View) - Word

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[All portions of each question must be answered sequentially.]

a) **Apply the knowledge of Regular Expression (RE) to the RE accepting the following languages:**

i) Start with xyz or ending with xyy over $\Sigma = \{x, y, z\}$

ii) Contain at least one occurrence of 123 anywhere in the string, $\Sigma = \{0, 1, 2, 3\}$

b) **Convert the following Regular Expression (RE) into an ϵ -NFA (Epsilon Non-deterministic Finite Automaton):**

Regular Expression: $(0 + 1)^* 01^* + (01)^*$

c) **Convert the following DFA into RE by state elimination approaches:**

